



FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: VXM-001B APPLICANT(S): Vitaliano et al. SERIAL NO.: 10/661,466 FILING DATE: September 11, 2003 GROUP: 1631
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,367,066	01/04/83	Zellweger, S.	434	433	
	A2	4,999,842	3/12/91	Huang et al.	372	45	
	A3	5,287,377	02/15/94	Fukuzawa et al.	372	45	
	A4	5,613,140	03/18/97	Taira, K.	395	800	
	A5	5,671,437	09/23/97	Taira, K.	395	800	
	A6	5,838,436	11/17/98	Hotaling et al.	356	345	
	A7	5,940,193	08/17/99	Hotaling et al.	359	11	
	A8	6,437,413 B1	08/20/02	Yamaguchi et al.	257	421	
	A9	6,456,994 B1	09/24/02	Tucci, R.	706	52	
	A10	6,459,097 B1	10/01/02	Zagoskin, A.	257	31	
	A11	6,472,681 B1	10/29/02	Kane, B.	257	14	

FOREIGN PATENT DOCUMENTS

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OTHER ART, JOURNAL ARTICLES, ETC.




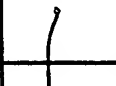

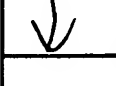

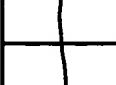


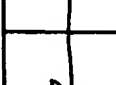
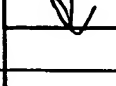

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1	Abe, E. (2001) "ESR on Shallow Donors in Ge," (PowerPoint Presentation)
	C2	Barenco et al. (1996) "A short introduction to quantum computation," www.qubit.org/library/intros/comp/comp.html .
	C3	Bayer, M. (August 8, 2002) "One at a time, please," <i>Nature</i> 418 : 597-598.




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	C4	Benjamin et al. (date unknown) "Towards Quantum Information Technology," www.qubit.org/library/intros/nano/nano.html
<i>Mr</i>	C5	Blatt, R. (2001) "Delicate information," <i>Nature</i> 412: 773.
<i>Mr</i>	C6	Borbat et al. (April 19, 2002) "Protein Structure Determination Using Long-Distance Constraints from Double-Quantum Coherence ESR: Study of T4 Lysozyme," <i>J. Am. Chem. Soc.</i> 124: 5304-5314.
<i>↓</i>	C7	Brown J. (2000) "Minds, Machines and the Multiverse (The Quest for the Quantum Computer)," Chapter 1, Simon & Schuster 2000
<i>↓</i>	C8	Cheetham et al. (1996) "Inhibition of hsc70-catalysed clathrin uncoating by HSP1 proteins," <i>Biochem J.</i> 319: 103-108.
<i>↓</i>	C9	Claeysen et al. (November 18, 2002) "A Single Mutation in the 5-HT ₄ Receptor (5-HT ₄ -R D100(3.32)A) Generates a G _s -coupled Receptor Activated Exclusively by Synthetic Ligands (RASSL)," <i>Journal of Biological Chemistry</i> 278: 699-702
<i>↓</i>	C10	Claing et al. (2001) β -Arrestin-mediated ADP-ribosylation Factor 6 Activation and β_2 -Adrenergic Receptor Endocytosis," <i>Journal of Biological Chemistry</i> 276: 42509-42513
<i>↓</i>	C11	Coward et al. (1998) "Controlling signaling with a specifically designed G _i -coupled receptor," <i>Proc. Natl. Acad. Sci. USA</i> 95: 352-357
<i>↓</i>	C12	Crotzer, V. L. et al. (2001) "The Role and Regulation of Clathrin in T cell Receptor Internalization," (Abstract) www.midwconferimmunol.org/Midwinter01/posters/crotzer.html
<i>↓</i>	C13	Deutsch et al. (1998) "Quantum Computation," www.qubit.org/library/intros/PhysicsWorld/PhysicsWorld.html , Page 1 only.
<i>↓</i>	C14	De Martini et al. (October 24, 2002) "Experimental realization of the quantum universal NOT gate," <i>Nature</i> 419: 815-818
<i>↓</i>	C15	DiVincenzo, D. (1996) "Gates and Circuits: Sleator-Weinfurter construction: $V^2=U$," <i>Phil Trans. R. Soc. Lond. A</i> : 9-18.
<i>↓</i>	C16	DiVincenzo, D. (1997) "Quantum Gates and Circuits," <i>Phil Trans. R. Soc. Lond. A</i> , Submitted
	C17	DiVincenzo, D. (1998) "Real and realistic quantum computers," <i>Nature</i> 393: 113-114.
	C18	Dowling et al. (date unknown) "Electron Nuclear Double Resonance Quantum Computer"
<i>Mr</i>	C19	Follstaedt et al. (2000) "Protein Adhesion on SAM Coated Semiconductor Wafers: Hydrophobic Versus Hydrophilic Surfaces," Sandia Report SAND_2000-3016
<i>↓</i>	C20	Gad, H. et al. (2000) "Fission and uncoating of synaptic clathrin-coated vesicles are per turbed by disruption of interactions with the SH3 domain of endophilin," <i>Nature</i> 27:301-312 (Abstract only)
<i>↓</i>	C21	Gad, H. (2000) "Synaptic vesicle endocytosis studied in a living synapse," (Ph.D. Thesis) Karolinska Institute. (conclusions drawn from Ph.D. thesis)
<i>↓</i>	C22	Gershenfeld et al. (1998) "Quantum Computing with Molecules," <i>Scientific American</i> . June 1998 (www.media.mit.edu/physics/publications/papers/98.06.sciam/0698gershenfeld.html)

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	C23	Gisin, N. (October 24, 2002) "NOT logic," <i>Nature</i> 419: 797-798.	
	C24	Greene et al. (2000) "Complete Reconstitution of Clathrin Basket Formation with Recombinant Protein Fragments: Adaptor Control of Clathrin Self-Assembly," <i>Traffic</i> 1: 69-75.	
	C25	Hameroff, S. (date unknown) "What is Consciousness," www.consciousness.arizona.edu/hameroff/slide%20show/slideshow_6.htm	
	C26	Hameroff, S. (date unknown) "Quantum computation in brain microtubules? The Penrose-Hameroff "Orch OR" model of consciousness," www.consciousness.arizona.edu/hameroff/Pen-Ham/Orch_OR/Royal%20Society.htm	
	C27	Hameroff et al (1998) "Quantum Theory and Human Consciousness," 47-62	
	C28	Hardy et al. (2000) "Universal Manipulation of a Single Qubit," Centre for Quantum Computation, Clarendon Laboratory, Department of Physics, University of Oxford.	
	C29	Harneit et al. (date unknown) "N@C ₆₀ for Quantum Computing," ...	
	C30	Harneit et al. (July 20, 2002) "Architectures for a Spin Quantum Computer Based on Endohedral Fullerenes," <i>Phys. Stat. Sol.</i> 233: 453-461.	
	C31	Haucke V., "Molecular Mechanisms of Endocytosis," INABIS '98	
	C32	Henderson et al. (date unknown) "CQC Introductions: Quantum Entanglement," www.qubit.org/library/intros/entang/index.html	
	C33	Hubbell et al. (1998) "Recent advances in site-directed spin labeling of proteins," <i>Current Opinion in Structural Biology</i> 8: 649-656	
	C34	Jaksch et al. (date unknown) "Review of quantum computer implementations with quantum optical systems," Institute for Theoretical Physics, Innsbruck (PowerPoint Presentation)	
	C35	Kanaseki et al. (1969) "The Vesicle in a Basket: A Morphological Study of the Coated Vesicle Isolated from the Nerve Endings of the Guinea Pig Brain, with Special Reference to the Mechanism of Membrane Movements," <i>Journal of Cell Biology</i> 42: 202-220.	
	C36	Keen, description of Keen laboratory research	
	C37	Kirchhausen, T. et al. (1997) "Linking cargo to vesicle formation: receptor tail interactions with coat proteins," <i>Current Opinion in Cell Biology</i> 9: 488-495	
	C38	Koruga, D. (date unknown) "From Natural to Artificial Molecular Machines," (Abstract 6 th Foresight from the Conference on Molecular Nanotechnology) www.foresight.org/Conferences/MNT6/Abstracts/Koruga/	
	C39	Laflamme et al. (August 22, 2002) "NMR GHZ" (www.arxiv.org)	
	C40	Leuenberger et al. (2001) "Quantum computing in molecular magnets," Department of Physics and Astronomy, University of Basel, Switzerland.	
	C41	Liu et al. (1995) "Regulation of Clathrin Assembly and Trimerization Defined Using Recombinant Triskelion Hubs," <i>Cell</i> 83: 257-267	

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	C43	Loss, D. (date unknown) "Spin-based Quantum Information Processing in Nanostructures," Department of Physics, University of Basel, Switzerland - (PowerPoint Presentation)	NO DATE
	C44	Mekis, A. et al. (1995) "Ray chaos and Q-spoiling in Lasing Droplets," <i>Phys. Rev. Lett.</i> 75: 2682-2686	
	C45	Mullins, J. (2001) "The Topsy Turvey World of Quantum Computing," <i>IEEE Spectrum</i> : 42-49.	
	C46	Myers, T. (date unknown) "From NANDS to Neurons: A Look at Alternative Approaches to Information Processing," www.cs.wayne.edu/~tom/csc888/csc888.html	NO DATE
	C47	Nöckel, J. U. et al. (1996) "Chaotic Light: A Theory of Asymmetric Resonant Cavities," Optical Processes in Microactivities, World Scientific Publishers, 1996	
	C48	Nöckel, J. U. et al. (1994) "Q-spoiling and Directionality in Deformed Ring Cavities," <i>Optics Letters</i> 19: 1693-1695	
	C49	Oskin et al. (January 2002) "A Practical Architecture for Reliable Quantum Computers," <i>Computer</i> : 79-87.	
	C50	Owen, D.J. (2000) "The structure and function of the β 2-adaptin appendage domain," <i>EMBO Journal</i> 19: 4216-4227	
	C51	Pan et al. (date unknown) "A Precision Technology for Controlling Protein Adsorption and Cell Adhesion in Biomems," (manuscript)	NO DATE
	C52	Preskill, J. (1997) "Reliable Quantum Computers," (manuscript) California Institute of Technology. (www.arxiv.org)	
	C53	Redfern, C. (1999) "Conditional expression and signaling of a specifically designed G _i -coupled receptor in transgenic mice," <i>Nature Biotechnology</i> 17: 165-169	
	C54	Recher et al. (2000) "Quantum Dot as Spin Filter and Spin Memory," <i>Physical Review Letters</i> : 85 1962-1965.	
	C55	Rieffel et al. (2000) "An Introduction to Quantum Computing for Non-Physicists," <i>ACM Computing Surveys</i> 32: 300-335.	
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	C57	Shih, W. et al. (1995) "A Clathrin-binding Site in the Hinge of the β 2 Chain of Mammalian AP-2 Complexes," <i>The Journal of Biological Chemistry</i> 270: 31083-31090.	
	C58	Smith, T. (date unknown) "Why do I like Clifford Algebras?," www.innerx.net/personal/tsmith/clfpg.html	NO DATE
	C59	Smith, T. (date unknown) "Quantum Consciousness," www.innerx.net/personal/tsmith/QuanCon.html	NO DATE
	C60	Steane, A. (1996) "Quantum Error Correction," www.qubit.org/library/intros/QEC.html	

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	C61	Steane, A. (1997) "Quantum Computing," Department of Atomic and Laser Physics, University of Oxford, Clarendon Laboratory: 1-65.	
	C62	Steane, A. (1998) "Quantum Computing," <i>Reports on Progress in Physics</i> 61: 117-173	
	C63	Steane et al. (2000) "Physicists Triumph at Guess My Number," <i>Physics Today</i> , 35-39	
	C64	Takei et al. (1998) "Generation of Coated Intermediates of Clathrin-Mediated Endocytosis on Protein-Free Liposomes," <i>Cell</i> 94: 131-141	
	C65	Twamley, J. (October 30, 2002) "Quantum cellular automata quantum computing with endohedral fullerenes," (manuscript) (www.arxiv.org)	
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	C67	Vitaliano, F. (2001) "The Next Big Thing That Will Change Absolutely Everything," www.vxm.com/Speed.quantum.html	
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	C70	Vitaliano, F. (February 2003) "VXMaia: A New Quantum Computing Platform" (PowerPoint Presentation)	
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	C73	Vitaliano et al. (January 29, 2004) "Clathrin and Endocytosis" (PowerPoint Presentation)	
	C74	Volovich I.V. (1999) "Atomic Quantum Computer," (manuscript) (www.arxiv.org)	
	C75	Vrijen et al. (1999) "Electron Spin Resonance Transistors for Quantum Computing in Silicon-Germanium Hetero-structures," (manuscript) (www.arxiv.org)	
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	C78	Ybe et al. (date unknown) "Crystal structure of a repeating superhelix motif in the clathrin triskelion leg,"	NO DATE
	C79	Ybe et al. (2000) "Molecular Structures of Proteins Involved in Vesicle Fusion," <i>Traffic</i> 1: 474-479.	
	C80	"Adaptin B", (date unknown) Catalog number A35620. Transduction Laboratories. 133 Venture Court, Lexington, KY 40511-2624	NO DATE
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	C82	Centre for Quantum Computation, www.qubit.org (date unknown)	NO DATE
	C83	"Continuous Wave ENDOR," (date unknown)	NO DATE
<i>W</i>	C84	"Electron Spin Resonance (ESR)," (2000) Physics 77, Experiment 6	NO DATE
	C85	"EPR Continuous Wave Practice Page," www.bruker-biospin.com/brukerepr/continuouswavepractice.html (date unknown)	NO DATE
	C86	"Genecard for gene CLTCL1," www.rzpd.de/cgi-bin/cards/corrdisp?CLTCL1 (date unknown)	NO DATE
	C87	"Introduction to Mass Spectrometry," masspec.scripps.edu/information/intro/chapter3.html (date unknown)	NO DATE
<i>W</i>	C88	"pET-15b Vector," (1998), Novagen Catalog	NO DATE
<i>W</i>	C89	"pET-23a-d(+) Vectors," (1998), Novagen Catalog	NO DATE
	C90	"QIAexpress - The Complete System," Qiagen Catalog www.qiagen.com/catalog/auto/cget.asp?p=QIAexpress_complete_system (date unknown)	NO DATE
	C91	"Quantum Entanglement: Recent Developments in Teleportation/Entanglement," www.cakes.mcmill.com/Star1rek/teleportation.htm (date unknown)	NO DATE
	C92	"Receptor Mediated Endocytosis," www.erin.utoronto.ca/~w3bio315/RME.htm (date unknown)	NO DATE
	C93	"Simple quantum gates," www.qubit.org/library/intros/comp/inset2.html (date unknown)	NO DATE
	C94	"Universal gates," http://planck.thphys.may.ie/jtwamley/thesis/Hoyland/thesis/node17.shtml (date unknown)	NO DATE
<i>W</i>	C95	Harneit, W. (2001) "A fullerene-based electron spin quantum computer," (manuscript)	NO DATE
EXAMINER <i>Wendy Z</i>		DATE CONSIDERED 5/26/06	